

SEQUENCE LISTING

<110> Aventis Research & Technologies GmbH & Co KG

<120> Spliceosomal protein and its use

<130> 199at09

<140> PCT/EP00/03949

<141> 2000-05-03

<150> DE 19925668.3

<151> 1999-06-04

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1

Lys Met Asn Ala Arg Thr Tyr Met Asp Val Met Arg Glu Gln His Leu
1 5 10 15

Thr Lys

<210> 2

<211> 15

<212> PRT

<213> Homo sapiens

<400> 2

Lys Leu Thr Ala Thr Pro Thr Pro Leu Gly Gly Met Thr Gly Phe
1 5 10 15

<210> 3

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3

Lys Ala Ile Val Asn Val Ile Gly Met His
1 5 10

<210> 4

<211> 8

<212> PRT

<213> Homo sapiens

<400> 4

Lys Arg Ile Phe Glu Ala Phe Lys
1 5

<210> 5
<211> 12
<212> PRT
<213> Homo sapiens

<400> 5
Lys Leu Arg Arg Met Asn Arg Phe Thr Val Ala Glu
1 5 10

<210> 6
<211> 15
<212> PRT
<213> Homo sapiens

<400> 6
Lys Arg Thr Gly Ile Gln Glu Met Arg Glu Ala Leu Gln Glu Lys
1 5 10 15

<210> 7
<211> 12
<212> PRT
<213> Homo sapiens

<400> 7
Lys Leu Thr Ile His Gly Asp Leu Tyr Tyr Glu Gly
1 5 10

<210> 8
<211> 16
<212> PRT
<213> Homo sapiens

<400> 8
Lys Leu Gly Ala Val Phe Asn Gln Val Ala Phe Pro Leu Gln Tyr Thr
1 5 10 15

<210> 9
<211> 10
<212> PRT
<213> Homo sapiens

<400> 9
Lys Leu Leu Arg Val Tyr Asp Leu Gly Lys
1 5 10

<210> 10
<211> 16
<212> PRT

<213> Homo sapiens

<400> 10

Lys Asn Val Ser Glu Glu Leu Asp Arg Thr Pro Pro Glu Val Ser Lys
1 5 10 15

<210> 11

<211> 11

<212> PRT

<213> Homo sapiens

<400> 11

Lys Leu Glu Asn Ile Ala Gln Arg Tyr Ala Phe
1 5 10

<210> 12

<211> 13

<212> PRT

<213> Homo sapiens

<400> 12

Lys Val Ser Glu Pro Leu Leu Xaa Glu Leu Phe Leu Gln
1 5 10

<210> 13

<211> 20

<212> PRT

<213> Homo sapiens

<400> 13

Lys Asp Arg Val Thr Gly Gln His Gln Gly Tyr Gly Phe Val Glu Phe
1 5 10 15

Leu Ser Glu Glu
20

<210> 14

<211> 7

<212> PRT

<213> Homo sapiens

<400> 14

Lys Glu Tyr Asp Pro Leu Lys
1 5

<210> 15

<211> 11

<212> PRT

<213> Homo sapiens

<400> 15

Lys Arg Trp Arg Thr Arg Val Trp Asp Asn Asp

1

5

10

<210> 16

<211> 22

<212> RNA

<213> Homo sapiens

<400> 16

auuuuccuua cucauaagdd dd

22

<210> 17

<211> 1067

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> CDS

$\langle 222 \rangle \quad (214) \dots (954)$

<400> 17

```

ctgacatcag gagtttgagg ccggcttgga acatggtgaa atcctgtctg tactagaaat 60
gcaaaaatta gctgggcgtg gtgggtgtgtg tctgtgatcc cagctgctcg gcctcccaag 120
gtgctgggat tacaggcgtg agccaccgcg tctggcctca gccaaaggttt ttaagtaaca 180
tatttcagca ttggctctac agcgttgcag aac atg aac gat tgg atg ccc atc 234
                               Met Asn Asp Trp Met Pro Ile
                               1           5

```

gcc aag gag tat gat cca ctc aaa gcg ggc agc att gat ggc acc gat 282
Ala Lys Glu Tyr Asp Pro Leu Lys Ala Gly Ser Ile Asp Gly Thr Asp
10 15 20

gaa gac cca cac gac cgc gcg gtc tgg agg gca atg ctg gca cga tat 330
Glu Asp Pro His Asp Arg Ala Val Trp Arg Ala Met Leu Ala Arg Tyr
25 30 35

gtc ccc aac aaa ggt gtc ata gga gat ccc ctc ctc acc ctg ttt gtg 378
Val Pro Asn Lys Gly Val Ile Gly Asp Pro Leu Leu Thr Leu Phe Val
40 45 50 55

gcc aga cta aac ttg cag acc aag gag gac aaa tta aag gaa gtc ttt 426
Ala Arg Leu Asn Leu Gln Thr Lys Glu Asp Lys Leu Lys Glu Val Phe
60 65 70

tcc cgc tat ggt gac atc cgg cgg ctt cgg ctg gtc agg gac ttg gtc 474
Ser Arg Tyr Gly Asp Ile Arg Arg Leu Arg Leu Val Arg Asp Leu Val
75 80 85

aca ggt ttt tca aag ggc tac gcc ttc atc gaa tac aag gag gag cgt 522
Thr Gly Phe Ser Lys Gly Tyr Ala Phe Ile Glu Tyr Lys Glu Glu Arg
90 95 100

gcc gtg atc aaa gct tac cga gat gct gat ggc ctg gtt att gac cag 570

Ala Val Ile Lys Ala Tyr Arg Asp Ala Asp Gly Leu Val Ile Asp Gln	
105 110 115	
cat gag ata ttt gtg gac tac gag ctg gaa agg act ctc aaa ggg tgg	618
His Glu Ile Phe Val Asp Tyr Glu Leu Glu Arg Thr Leu Lys Gly Trp	
120 125 130 135	
atc cct cgg cga ctt gga ggc ggt ctt ggg gga aaa aag gag tct ggg	666
Ile Pro Arg Arg Leu Gly Gly Gly Leu Gly Gly Lys Lys Glu Ser Gly	
140 145 150	
caa ctg aga ttt ggg gga cgg gac cgg cct ttt cga aaa cct att aac	714
Gln Leu Arg Phe Gly Gly Arg Asp Arg Pro Phe Arg Lys Pro Ile Asn	
155 160 165	
ttg cca gtt gtt aaa aac gac ctc tat aga gag gga aaa cgg gaa agg	762
Leu Pro Val Val Lys Asn Asp Leu Tyr Arg Glu Gly Lys Arg Glu Arg	
170 175 180	
cgg gag cga tct cga tcc cga gaa aga cac tgg gac tcg agg aca agg	810
Arg Glu Arg Ser Arg Ser Arg Glu Arg His Trp Asp Ser Arg Thr Arg	
185 190 195	
gat cga gac cat gac agg ggc cgg gag aag aga tgg caa gaa aga gag	858
Asp Arg Asp His Asp Arg Gly Arg Glu Lys Arg Trp Gln Glu Arg Glu	
200 205 210 215	
ccg acc agg gtg tgg ccc gac aat gac tgg gag aga gag agg gac ttc	906
Pro Thr Arg Val Trp Pro Asp Asn Asp Trp Glu Arg Glu Arg Asp Phe	
220 225 230	
aga gat gac agg atc aag ggg agg gag aag aag gaa aga ggc aag tag	954
Arg Asp Asp Arg Ile Lys Gly Arg Glu Lys Lys Glu Arg Gly Lys	
235 240 245	
aggcccaaca gcagaacccc aaagtgaagt tacagtggaa atgagtggag ggggattgtc	1014
tttcaacgca gcgtgagtct aatggttgaa taaaacttac tgatgatcaa aaa	1067

<210> 18
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 18																	
Met	Asn	Asp	Trp	Met	Pro	Ile	Ala	Lys	Glu	Tyr	Asp	Pro	Leu	Lys	Ala		
1				5					10					15			
Gly	Ser	Ile	Asp	Gly	Thr	Asp	Glu	Asp	Pro	His	Asp	Arg	Ala	Val	Trp		
			20					25					30				
Arg	Ala	Met	Leu	Ala	Arg	Tyr	Val	Pro	Asn	Lys	Gly	Val	Ile	Gly	Asp		
		35					40					45					
Pro	Leu	Leu	Thr	Leu	Phe	Val	Ala	Arg	Leu	Asn	Leu	Gln	Thr	Lys	Glu		
	50				55					60							
Asp	Lys	Leu	Lys	Glu	Val	Phe	Ser	Arg	Tyr	Gly	Asp	Ile	Arg	Arg	Leu		
65				70					75					80			
Arg	Leu	Val	Arg	Asp	Leu	Val	Thr	Gly	Phe	Ser	Lys	Gly	Tyr	Ala	Phe		

[illegible]